

# UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

## NOTICE OF ALLOWANCE AND ISSUE FEE DUE

NM11/0507

JAMES 1. HAPOLI MARSHALL, OTOOLE, GERSTEIN, MURRAY & BORUN, 6300 SEARS TOWER, 233 SOUTH WACKER DRIVE CHICAGO IL 60606-6402

APPLI	CATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND G	ROUP ART UNIT	2511 SE 5	DATE MAILED
	08/869.389	07/16/98	015	NGO. T		1611	05/07/98
First Named	— DAUGAH.		ALA	IN C. M.	-		
Applicant	ETRACTULIO	<i>VERIVATIVES</i>	. PROCESS	OF PREPARATION	AND USE		
VENTION							

ATTYS	DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APP	LN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
1	REF/1233	OV 514-1	249,000	D83	UTILI	TY NO	\$1320.0	00 08/07/98

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.

\*\*ROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

# **40W TO RESPOND TO THIS NOTICE:**

- . Review the SMALL ENTITY status shown above.

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- I. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your statement is ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- II. All communications regarding this application must give application number and batch number.

MPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance seems and the second seems are seen and the second seems are seen and the second seems are seems are seen and the seems are seems. It is patentee's responsibility to ensure timely payment of maintenance seems are seen as a seem and the seems are seen as a seem are seen as a see a seem are seen as a see a see a seem are seen as a see a se

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### UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 REF/IZ33 CL/ FIRST NAMED APPLICANT ATTORNEY DOCKET NO. FILING DATE 08/669.389 07/16/96 DAUGAN Α REF/1233CV EXAMINER NH11/0507 T. NGO JAMES J. NAPOLI NGO ART UNIT PAPER MUMBER MARSHALL, OTOOLE, GERSTEIN, MURRAY & 14 BORUH. 6300 SEARS TOWER, 1611 233 SOUTH WACKER DRIVE 1611 CHICAGO IL 60606-6402 DATE MAILED: 05/07/98 This is a communication from the examiner in charge of your application. COMMISSIONER OF PATENTS AND TRADEMARKS

	NOTICE OF ALLOWABILITY	
All claims being allowable, PR previously mailed), a Notice of	OSECUTION ON THE MERITS IS (OR REMAINS) CLOSED Allowance and Issue Fee Due or other appropriate commun	D in this application. If not included herewith (or nication will be mailed in due course.
	ponsive to	
The allowed claim(s) is/are	e <u> </u>	
The drawings filed on	are acceptable.	
Acknowledgement is made	e of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).	).
☐ All ☐ Some* ☑ No	ne of the CERTIFIED copies of the priority documents have	re been
received.		
received in Application	on No. (Series Code/Serial Number)	<u> </u>
received in this nation	al stage application from the International Bureau (PCT Rule	e 17.2(a)).
*Certified copies not receive	ed:	<u> </u>
Acknowledgement is mad	e of a claim for domestic priority under 35 U.S.C. § 119(e).	<b>.</b>
FROM THE "DATE MAILED"	Y PERIOD FOR RESPONSE to comply with the requirements of this Office action. Failure to timely comply will result in AB he provisions of 37 CFR 1.136(a).	ts noted below is set to EXPIRE THREE MONTHS BANDONMENT of this application. Extensions of
☐ Note the attached EXAMI	NER'S AMENDMENT or NOTICE OF INFORMAL APPLICAT SUBSTITUTE OATH OR DECLARATION IS REQUIRED.	TION, PTO-152, which discloses that the cath or
Applicant MUST submit N	IEW FORMAL DRAWINGS	* · · · · · · · · · · · · · · · · · · ·
because the originally f	iled drawings were declared by applicant to be informal.	
including changes requ	ired by the Notice of Draftperson's Patent Drawing Review, F	PTO-948, attached hereto or to Paper No
by the examiner.	ired by the proposed drawing correction filed on	, which has been approved
including changes requ	uired by the attached Examiner's Amendment/Comment.	
identifying Indicia such a The drawings should be t	s the application number (see 37 CFR 1.84(c)) should be filed as a separate paper with a transmittal letter address	written on the reverse side of the drawings. sed to the Official Draftperson.
Note the attached Exami	ner's comment regarding REQUIREMENT FOR THE DEPOS	SIT OF BIOLOGICAL MATERIAL.
Any response to this letter shif applicant has received a No ALLOWANCE should also be	ould include, in the upper right hand comer, the APPLICATIO otice of Allowance and Issue Fee Due, the ISSUE BATCH NU included.	ON NUMBER (SERIES CODE/SERIAL NUMBER). UMBER and DATE of the NOTICE OF
Attachment(s)		
Notice of References C	Cited, PTO-892	
Information Disclosure	Statement(s), PTO-1449, Paper No(s).	- Minkund J. Shad
Notice of Draftsperson	's Patent Drawing Review, PTO-948	MUKUND J. SHAH
Notice of Informal Pate	ent Application, PTO-152	SUPERVISORY PATENT EXAMINER  GROUP 1200
Interview Summary, P	10-413	diago, 1800
Examiner's Amendme	ent/Comment	
Braminer's Comment	Regarding Requirement for Deposit of Biological Material	A Commission of the Commission
D Scaminer's Statement	of Reasons for Allowance	
David William Turner		117.3012-07

Serial Number: 08/669,389

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# Allowable Subject Matter

Applicant's amendment filed on 2-9-98 has overcome the previous 112 rejection. Nonelected subject matters have been canceled, and with no other rejections the application is in condition for allowance.

Accordingly, claims 1 - 10 and 13 - 17 are allowed.

# Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

The claimed invention directs to tricyclic and tetracyclic compounds of Formula (I) and (II) wherein an aromatic ring or ring system bonds to the sixth position of tetracycle of Formula (I), or bonds to the second position of the tricycle of Formula (II). The invention also directs to a process of making Formula (I) by reacting Formula (II) with a primary amine followed by an interconversion step and/or salt formation; or solvate formation. The closest prior art, GB 1,454,171 (or GB'171 from here on), discloses octahydrohydro-pyrazino[1',2':1,6]pyrido[3,4]indoles-1,4-dione wherein the substituent at the sixth position is either hydrogen or lower alkyl, not a ring or ring system as in the instant claims. The process disclosed by GB'171 appears similar; however, at a closer look the claimed Formula (II) is not the same as Formula (V) of GB'171 since the claimed R<sup>2</sup> differs from the disclosed R<sup>1</sup>. Since the claimed Formula (II) Serial Number: 08/669,389 Page 3

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is not commercially available, the process of GB'171 cannot render obvious the claimed

process. No other prior arts can be combined with GB'171 to teach or fairly suggest the

claimed Formulae (I) and (II) and the process of making Formula (I).

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Ms. Tamthom (or Tam) Ngo whose telephone number is (703) 305 - 4485.

The examiner can normally be reached on Monday thru Friday from 9:00 am to 5:30 pm EST.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308 - 1235.

T. Ngo / 5-5-98

Mukund J. Shah

**Supervisory Patent Examiner** 

Muxued J. Har

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